



# BELCHIM

C R O P P R O T E C T I O N

## TEPPEKI®

Version and date: Version 11 Spring 2019

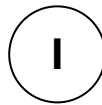
Changes since last version: New classification and labelling phrases.



This label is compliant with the CPA Voluntary Initiative Guidance

**FORMULATION AND ACTIVE INGREDIENT:** Water dispersible granules (WG) containing 500g/kg flonicamid. An aphicide for the control of aphids in Potatoes and Winter Wheat, Sugar beet, Fodder beet and Oilseed rape.

**PACK SIZE:** 500 g – 2 kg



MAPP No. 12402

**PROTECT FROM FROST  
FOR PROFESSIONAL USE ONLY**

<b>IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE</b>			
<b>Crops/Situations</b>	<b>Maximum individual dose: kg product/ha</b>	<b>Maximum number of treatments per crop</b>	<b>Latest time of application:</b>
Potatoes	0.16	2	14 days before harvest
Winter wheat*	0.14	2	28 days before harvest
Fodder beet, Sugar beet	0.14	1	60 days before harvest
Oilseed rape (winter)	0.10	1	BBCH 18 (eight true leaves unfolded)


\* The earliest timing of application for Teppeki on winter wheat is 50% of ear emerged stage (BBCH53).

**Other specific restrictions:**

- A minimum interval of 21 days must be observed between applications on potato and Winter wheat.
- Fodder beet must not be grazed by livestock or harvested for animal consumption until at least 60 days following the last application.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

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<p><b>WARNING</b></p> 	<b>Teppeki</b>	<b>Water dispersible granules (WG) containing 500 g/kg flonicamid.</b>
	<b>H319</b>	<b>Causes serious eye irritation</b>
	<b>P264</b>	<b>Wash hands, forearms and face thoroughly after handling.</b>
	<b>P280</b>	<b>Wear protective gloves/protective clothing/eye protection/face protection.</b>
	<b>P305+P351+P338</b>	<b>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.</b>
	<b>P337+P313</b>	<b>If eye irritation persists: Get medical advice/attention.</b>
	<b>EUH208</b>	<b>Contains disodium maleate (371-47-1). May produce an allergic reaction.</b>
<b>EUH401</b>	<b>To avoid risks to human health and the environment, comply with the instructions for use.</b>	

The (COSHH) Control of Substances Hazardous to Health regulations may apply to the use of this product at work.

### **SAFETY PRECAUTIONS:**

#### **Operator protection**

- ENGINEERING CONTROL OF OPERATOR EXPOSURE must be used where reasonably practicable in addition to the following personal protective equipment. WEAR SUITABLE PROTECTIVE GLOVES when handling the product or handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

- WHEN USING, DO NOT EAT, DRINK OR SMOKE.

#### **Environmental protection**

- DO NOT CONTAMINATE WATER with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).
- DANGEROUS TO BEES. To protect bees and pollinating insects do not apply to crop plants when in flower. Do not use where bees are actively foraging. Do not apply when flowering weeds are present.

#### **Storage and disposal**

- KEEP OUT OF REACH OF CHILDREN.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place/under lock and key/away from damp/sources of heat.
- EMPTY CONTAINER COMPLETELY and dispose of safely.

#### **IMPORTANT**

- DO NOT ALLOW THE PRODUCT TO STAND OVERNIGHT
- Ensure that the spraying equipment and especially nozzles have been thoroughly cleaned before starting spraying, in particular when equipment has been used for other purposes and on other crops.
- **Spraying equipment should be calibrated prior to use to ensure accurate application.**

#### **DIRECTIONS FOR USE**

**Important: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.**

TEPPEKI is a selective aphicide with activity against all major aphid species on potatoes, winter wheat, sugar beet, fodder beet and oilseed rape.

## **Application**

### **IMPORTANT – Product measurement**

As Teppeki is applied at a very low dose rate, it is important to accurately weigh the required amount of product for each spray operation in order to ensure application of the correct dose.

### **POTATO:**

Aphids controlled: *Macrosiphum euphorbiae*, *Myzus persicae*, and *Aphis nasturtii*.

Target the first application when warning systems forecast significant aphid infestations

Rate: The application rate of TEPPEKI is 0.16kg/ha.

Water volume: 200 to 500 l/ha

Spray schedule: TEPPEKI has a persistence of up to 21 days. The maximum number of applications is 2 per crop.

Pre-harvest interval: The last spray should not be applied later than 14 days before harvest.

### **WINTER WHEAT:**

Control of aphids attacking the ears;

(*Macrosiphum avenae*, *Metopolophium dirhodum* and *Rhopalosiphum padi*)

Target the first application against aphids when warning systems forecast significant aphid infestation, or when the economical threshold is reached. Do not apply TEPPEKI before BBCH 53.

Rate: The application rate of TEPPEKI is 0.14 kg/ha.

Water volume: 200 to 500 l/ha

Spray schedule: TEPPEKI has a persistence of up to 21 days. The maximum number of applications is 2 per crop.

Pre-harvest interval: The last spray should not be applied later than 28 days before harvest.

### **SUGAR BEET:**

Control of virus-carrying aphids: Black bean aphid (*Aphis fabae*) and Peach potato aphid (*Myzus persicae*)

Target the application against aphids when warning systems forecast significant aphid infestation, or when the economic threshold is reached. Applications can be made from the two leaf stage of the crop, generally May to June. For virus control, where thresholds indicate treatment is necessary, apply TEPPEKI to the earliest permissible growth stages of the crop, when they are the most susceptible.

Rate: The application rate of TEPPEKI is 0.14 kg/ha.

Water volume: 200 to 500 L/ha.

Spray schedule: TEPPEKI has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

### **OILSEED RAPE:**

#### Autumn application

Control of aphids including virus-carrying aphids: Peach potato aphid (*Myzus persicae*).

Target the application against aphids when warning systems forecast significant aphid infestation, or when the economic threshold is reached. Applications can be made in the autumn from the 2 leaf stage of the crop.

Rate: The application rate of TEPPEKI is 0.10 kg/ha.

Water volume: 200 to 300 L/ha.

Spray schedule: TEPPEKI has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

Pre-harvest interval: The last spray should not be applied later than the 8 leaf stage of the crop in the autumn.

### **EXTENSIONS OF USE**

This extension of the authorised use provides for the use of Teppeki in respect of crops and situations, other than those included on the product label above. No efficacy or phytotoxicity data have been assessed and as such the "extension of use" is at all times done at the user's own choosing and the commercial risk is entirely theirs.

### **FODDER BEET:**

Control of virus-carrying aphids: Black bean aphid (*Aphis fabae*) and Peach potato aphid (*Myzus persicae*)

Target the application against aphids when warning systems forecast significant aphid infestation, or when the economic threshold is reached. Applications can be made from the two leaf stage of the crop, generally May to June.

Rate: The application rate of TEPPEKI is 0.14 kg/ha.

Water volume: 200 – 500 L/ha.

Spray schedule: TEPPEKI has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

**Resistance Management Strategy:**

Potato and wheat: Do not apply more than 2 sprays of TEPPEKI per crop

Sugar beet, Fodder beet and Oilseed rape: Do not apply more than once per crop.

Teppeki belongs to the IRAC mode of action group 29. Strains of some aphid species are resistant to many aphicides. Where aphids resistant to products containing flonicamid occur, TEPPEKI is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control.

TEPPEKI is a feeding inhibitor.

Do not make repeated applications of an insecticide from the same chemical sub-group (indicated by the IRAC MoA Group number) if it appears not to work at full rate and if the product has been applied correctly.

If further treatments are required, use at least one application of an insecticide having a different mode of action to TEPPEKI before applying further TEPPEKI. Integrate other control methods (chemical, cultural, biological) into insect control programs. For more information on insecticide resistance consult the IRAC website: <http://www.irc-online.org/>

**Preparation of the spray solution:**

Add a minimum of 50% of the required water into the spraying tank, and agitate when adding the required amount of TEPPEKI. Finally add the rest of the required water volume. Keep the spray solution agitated until all product is applied. Never prepare more spray solution than required. Double rinse the empty product container and add the remaining diluted product to the spray solution.

TEPPEKI should be applied evenly over the crop via tractor mounted or drawn boom sprayer. Appropriate measures to avoid drift (follow appropriate wind speed guidelines) onto non-target crops and watercourses should be taken.

**APPLICATION EQUIPMENT CLEANING PROCEDURE:**

Ensure that no or only a minimal quantity of product remains in the spraying tank after field application. Upon completion dilute the remainder of the spray solution with the tank cleaning water; do not spray these on the treated fields. Any spillage should be collected and be disposed in appropriate chemical waste. In no way should contamination of waterways or surface water be allowed to occur.

Thoroughly wash out all equipment after use. For disposal of washings, follow the Code of Practice for Using Plant Protection Products.

**COMPANY ADVISORY INFORMATION**

**Storage**

Reduce or avoid exposure and/or contact with the product.

Keep container tightly closed. Store unused product in tightly closed, original container in a cool dry area, preferably in a locked storage area. Store in such a manner as to prevent cross contamination. Keep away from food, drink and animal feedstuffs, or any other material intended for consumption or use by humans or other animals.

Do not store near a heat source or open flame.

Keep dry and frost proof in a suitable pesticide store between 0 and 32°C.

**CONDITIONS OF SUPPLY**

All goods supplied by us are of high grade and we believe them to be suitable, but as cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality of fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling application or

use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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**Approval holder:**

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